

SAMOYLOV, D.S., kand.tekhn.nauk; SOSYANTS, V.G., dotsent, nauchnyy red.;
CHABROV, I.M., red.

[Principles of the organization and coordination of routes for city
passenger transportation; scientific report] Printsipy postroeniia
i koordinatsii marshrutov gorodskogo passazhirskogo transporta;
nauchnoe soobshchenie. Moskva, Otdel nauchno-tekhn.informatsii
Akad., 1959. 71 p. (MIRA 13:5)
(Local transit)

MERKULOV, Yefim Afanas'yevich; PETROV, Vyacheslav Konstantinovich [deceased]; SOSYANTS, Vasiliy Georgiyevich; YUDIN, Vasiliy Aleksandrovich; Prinimali uchastiye: DUBROVIN, Ye.N.; SLAVUTSKIY, A.K.; BARKOVA, Ye.A.; BLATNOV, M.D.; KUDRYAVTSEV, O.K.; SAMOYLOV, D.S.; FRIDLYAND, A.G.; BRONSHTEYN, L.A., red.; RACHEVSKAYA, M.I., red.izd-va; EELYUKHIN, A.A., tekhn.red.

[Urban transportation and street construction] Gorodskoi transport i dorozhno-mostovoe khoziaistvo. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1959. 473 p. (MIRA 12:8)

1. Sotrudniki Akademii kommunal'nogo khozyaystva im. K.D.Pamfilova
(for Barkova, Blatnov, Kudryavtsev, Samoylov, Fridlyand).
(Transportation) (Streets)

S
SAMOYLOV, D., stafshiy nauchnyy sotrudnik, kand.tekhn.nauk

New routes of the passenger transportation system in the city
of Sevastopol'. Zhil.-kom.khoz. 9 no.2:24-25 '59.
(MIRA 12:5)

1. Akademiya komunal'nogo khozyaystva.
(Sevastopol'--Transit system)

SAMOYLOV, D.S., kand.tekhn.nauk; YAKUSHKIN, I.M., inzh.

Ways of improving the capacity of the subway. Gor.khoz.Mosk.
35 no.5:25-27 My '61. (MIRA 14:6)
(Moscow—Subways)

SAMOYLOV, D.S.

Establishing types of capacity for the rolling stock of public transportation and their quantitative relation. Sbor.nauch.rab.
AKKH no.13:155-173 '62. (MIRA 16:4)
(Local transit)

SAMOYLOV, G., inzh.

Coal must be cheap. Sov.shakht. 10 no.4:12-13 Ap '61.
(MIRA 14:9)

1. Shakhta No. 32 kombinata Vorkutaugol'.
(Pechora Basin--Coal mines and mining--Costs)

SANOYLOV, G. A.

Samojlov, G. A.

"Paths for the outflow of lymph from the small and large intestines and their connections in children." Ivanovo State Medical Inst.
Chair of Normal Anatomy. Ivanovo, 1956. (Dissertation for the
Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

SAMOYLOV, G.A., kand. med. nauk

Relations between the lymphatic system of the stomach and the different sections of the large intestine in children. Sbor. nauch. trud. Ivan. gos. med. inst. no.25:12-16 '62.

(MIRA 17:5)

1. Iz kafedry normal'noj anatomii (zav. - prof. Ye.Ye. Vyrenkov) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

S/123/61/000/004/019/027
A004/A104

AUTHORS: Tsvetnenko, K. U.; Volkovitskiy, G. I., and Samoylov, G. D.

TITLE: Centrifugal casting of hollow pipe blanks from converter metal blown through with oxygen

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1961, 20, abstract 4G155. ("Byul. nauchno-tekhn. inform. Ukr. n.-i. trubn. in-t", 1959, nos. 6-7, 131-135)

TEXT: The authors report on the casting of pipes from converter steel of the grades K 0, K 10, K 20, KC (KS) and KΔ (KD) on centrifugal machines, the steel having been smelted with oxygen blowing. The blanks had a length of 3,320 mm, a diameter of 285 mm and a wall thickness of 40-45 mm. High-quality blanks can be obtained if the following technological parameters are observed: rotation speed of 600 rpm at the moment of pouring and 500 rpm after the steel has reached the opposite chill end; pouring rate - 25 kg/sec; sand layer thickness on the inner chill surface - 5-6 mm. There is 1 figure and 3 references.

S. Zhukovskiy

[Abstractor's note: Complete translation]

Card 1/1

SOV/125-12-3-12/13

18(5),25(5)

AUTHOR: Samoylov, G.D.

TITLE: Experimental Melting of Flux in Large Electro-Furnaces
(Opyt vyplavki flyusa v bcl'shikh elektricheskikh pech-
akh)

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 3, pp 86-92
(USSR)

ABSTRACT: The article gives a survey of the melting process of flux in an electro-furnace of 1.5 tons and an electro-furnace of 5 tons. Flux types AN-11 and AN-60 were used for the investigations. The chemical and quantitative composition in kg as well as an exact time layout in minutes (75-100 seconds) for the dressing of one charge are given. Melting time 1.5-2 hours at a temperature of 1000-1200°C. In Tab. 2 the net costs (in rubles) for electric energy and the material per ton of flux AN-11 are listed for several months of the year 1956. Basing on a yield of 70%, 7.5-8 tons of flux material can be produced within 24 hours. Furthermore, it is reported

Card 1/2

SOV/125-12-3-12/13

Experimental Melting of Flux in Large Electro-Furnaces

about the granulation by water and the hall ventilation. Another chapter deals with a 5 tons electro-furnace model DS M-5 giving the measurements, electrode-diameter (350 mm) etc. Tab. 3 shows the charge composition of the above types (2-3.2 tons) with a melting time of 3 hours 30 minutes-2 hours 20 minutes at a melting temperature of 1400-1500°C for a 5 tons-furnace. Simultaneously, the setting into operation of the furnace is taken into consideration. The author comes to the conclusion that by increasing the capacity of the furnace, the economy of operation as well as quality and yield increases. The 5 tons-furnace has a 25-30% lower melting loss than the 1.5 tons-furnace. Attention has to be paid to the fact that the large furnaces need a larger ventilation device. There are 3 diagrams and 4 tables.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy trubnyy institut (Ukrainian Scientific-Research Pipe Institute)

SUBMITTED: September 23, 1958

Card 2/2

11500

25537

S/123/61/000/011/021/034
A004/A101

AUTHORS:

Volkovitskiy, G. I.; Tsvetnenko, K. U.; Trubchenko, P. A.;
Samoylov, G. D.

TITLE:

Centrifugal tube blank castings from bessemer steel smelted with
the application of oxygen blast

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 11, 1961, 28, abstract
11G181 (V sb. "Proiz-vo trub". no. 3, Khar'kov, 1960, 92-102)

TEXT: The authors present technological data and investigation results of
the quality of centrifugal tube blank castings from bessemer steel smelted with
oxygen blast (St.20 and carbon steel). The obtained results were compared with
the corresponding data on centrifugal casting of tube blanks from carbon electric
steel. It was found that the structure of the centrifugally cast blanks is not
so much determined by the smelting method but by the casting parameters. The
optimum metal overheating over the liquidus temperature should not exceed 50-70°C
(in this case 60-70% of the blank metal does generally not possess a zonal macro-
structure over the wall thickness). The absence of an even growth of C, S and
P-concentrations from the outer casting surface to the inner one was found, which

Card 1/2

25537
Centrifugal tube blank castings ...

S/123/61/000/011/021/034
A004/A101

is generally related to the effect of the centrifugal process, although the inner surface zone contains nevertheless more S and P than the outer one. An additional nitrogen saturation of centrifugal cast blanks from bessemer steel with oxygen blast does not take place. The increase of the nitrogen content towards the inner blank surface is connected with the separation of dissolved gases by the centrifugal forces (metals with a higher manganese content contain more nitrogen). The blank metal from electric steel contained 0.006-0.011% N, i. e., nearly the same quantity as in bessemer steel. All strength characteristics both over the cross section and in various zones over the blank length vary in a comparatively narrow range. Besides, the strength characteristics of centrifugal cast blanks are always higher, while the plastic characteristics after heat treatment are mostly higher than it is stipulated by GOST for rolled tubes. The suggested technology ensures a high quality of tubing blanks, including their deformation ability.

S. Shamirgon

[Abstracter's note: Complete translation]

Card 2/2

S/123/62/000/006/017/018
A004/A101

AUTHORS: Samoylov, G. D., Volkovitskiy, G. I., Tsvetnenko, K. U.

TITLE: Cast tube blanks from converter steel blown through with oxygen

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 6, 1962, 5, abstract
6G32 (V sb. "Proiz-vo trub", no. 5, Khar'kov, Metallurgizdat,
1961, 129-132)

TEXT: The use of oxygen blast (containing 92 - 94% oxygen) considerably improves the quality of converter metal. Its chemical composition approaches that of open-hearth steel, while its content of harmful impurities and gases is reduced to the following limits: 0.020 - 0.045% S, 0.010 - 0.035% P, 0.005 - 0.010% N₂, 0.002 - 0.003% O₂, 0.0002 - 0.0004% H₂. To investigate the feasibility of rolling tubes from ingots of converter metal blown through with oxygen, a batch of round-section ingots (345 mm in diameter and 2,000 mm high) were cast from killed grade 20 steel. The rolling results revealed the possibility of a successful production, on pilger mills, of tubes from ingots of converter metal blown through with oxygen. J

[Abstracter's note: Complete translation]

Card 1/1

RULLA, N.V., kand. tekhn. nauk; BEGMA, D.G., inzh.; SAKOYLOV, G.D., inzh.

Effect of the conditions of centrifugal casting on the phase composition
of pipe steel. Proizv. trub no.10:75-80 '63. (MIRA 17:10)

L 46117-66 EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW
ACC NR: AP6031513 SOURCE CODE: UR/0383/66/000/004/0027/0031

39
B

AUTHOR: Samoylov, G. D.

ORG: none

TITLE: Study of metal of centrifugally cast OKh18N12T steel shells for tubes 436 and
550 mm in diameter

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 4, 1966, 27-31

TOPIC TAGS: ~~shell design~~, stainless steel, stainless steel tube shell

ABSTRACT: The chemical and physical properties of centrifugally cast stainless-steel tube shells have been investigated. Okh18N18T stainless-steel tube shells (165 mm inside diameter, 675 outside diameter and 2800 long) were cast from steel melted in a 5-ton arc furnace. It was found that the degree of chemical heterogeneity in the centrifugally cast shells was much lower than that in the stationary cast ingots and that the content of nonmetallic inclusions varied in the range 0.02–0.08%, i.e., was 2–3 times lower. The content of gases, such as 0.002–0.008% O₂, 0.002–0.012% N₂, was half of that found in stationary cast ingots, and the content of H₂ (0.008–0.00018%) was the same. The metal consumption was 1.8 tons per ton of conditioned shell, compared to 2.5 tons per ton of bored forged rounds. Orig. art. has: 3 figures and 1 [TD] table.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 5087
Card 1/1 UDC: 621.774.377.001.5

KRYUKOV, V.P., kand.tekhn.nauk; SAFONOV, A.Ye., inzh.; PAKULIN, A.A.,
inzh.; SAMOYLOV, G.F.

Transducers in the equipment for determining the content of iron.
Izv.vys.ucheb.zav.; gor.zhur. 7 no.2:156-159 '64. (MIRA 17:3)

1. Ural'skiy nauchno-issledovatel'skiy institut mekhanicheskoy ob-
rabotki poleznykh iskopayemykh. Rekomendovana kafedroy avtomati-
zatsii proizvodstvennykh protsessov Sverdlovskogo gornogo insti-
tuta.

NARBUTT, K.I.; LAPUTINA, I.P.; SHUBA, I.D.; KARDAKOV, K.A.; SAMOYLOV,
G.P.

Isotopic composition of ore lead and age of minerals con-
taining U, Th, and Pb according to the data of mass spectro-
metry and X-ray spectrum. Trudy IGEM no.28:122-137 '59.
(MIRA 13:4)

(Lead--Isotopes) (Geological time) (X rays)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001447010003-1

SAMCYLOV, G.

"A Most Important Work," 53d anniversary of invention of radio by Popov, Za Oboronu,
14, No. 5, 1948.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001447010003-1"

SA'YOLOV, G.

20712. Novakovskiy, S. i Samoylov, G. Drobnyy detektor "N. S. - 1". Radio, 1949
No. 6, s. 42-44

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

SAMOYLOV, G.

USSR/Radio - Television

Long-Distance Reception

Dec 51

"Long-Distance Reception of Television Transmissions," B. Baranov, G. Samoylov

"Radio" No 12, pp 44, 45

Describes expts conducted by the Moscow Adm of the Television Network on long-distance reception in Dmitrov (70 air-line km), Kimry (130 km), and Kaluga (170 km). A modified KVN-49(B) receiver and a 5-element (3 directors and a reflector) antenna were used in the expts. Reception was stable at

208195

USSR/Radio - Television
(Contd)

Dec 51

Dmitrov but unstable at Kimry and Kaluga. Recommends continuation of expts, possibly with use of a large rhombic antenna and an addnl grounded-grid rf amplifier mounted directly on the antenna mast.

208195

SAMOYLOV, G.

DSSR/Electronics - Television
Antennas

Oct 52

"Connecting Several Television Receivers to One Antenna," G. Samoylov

"Radio" No 10, pp 40-41

Describes a unit for connecting several tv receivers to one antenna. A distribution line runs directly from the antenna and the television ties into it through a push-pull cathode-follower amplifier unit with a sep power supply. Two 75-ohm input receivers or one 300-ohm input receiver can be connected to amplifier output. Editors note

that the problem of collective tv antennas is a very real one and ask for comments on Samoylov's unit.

235T56

SAMOYLOV, G. (Moscow).

Fractional detector in the KVN-49B television set. Radio no. 6:44 Je '53.
(MIRA 6:6)
(Television--Receivers and reception)

SAMOYLOV, G.

Measures against interference. Radio no. 12:47-48 D '53. (MLRA 6:12)
(Radio--Interference)

USSR / Electronics - Television receivers

Card 1/1 Pub. 89 - 17/27

Authors : Kanaeva, A., and Samoilov, G.

Title : Television sets in villages of the Moscow oblast'

Periodical : Radio 2, page 37, Feb 1954

Abstract : Propaganda article dealing with the number of television sets in use in the Moscow oblast'. Experiments showed that television reception is quite satisfactory at the distances of 150-200 Km from Moscow.
Illustration.

Institution:

Submitted:

SAMOVLOV, G.

Antenna for long distance television reception. Radio no.8:38
Ag '54. (MIRA 7:8)
(Television--Antennas)

USSR/ Electronics - Television receivers

Card 1/1 : Pub. 89 - 19/26

Authors : Samoylov, G.

Title : Automatic gain control in television receivers

Periodical : Radio 12, 41-42, Dec 1954

Abstract : The difference between automatic gain control principles used in radio receivers and television receivers, and the principle of using constant-amplitude synchronization pulses for amplification control of video signals are explained. The use of automatic gain control, as a means of maintaining image contrast constant (the degree of difference in tone between the dark and bright portions of the image), is set forth. Two systems of automatic gain-control of video signals are presented. Circuit diagrams.

Institution :

Submitted :

SAMOYLOV, G.P.

YEFIMOV, A.P., kandidat tekhnicheskikh nauk.

S.V. Novakovskii, G.P. Samoilov "Frequency modulation technique in radio communication." Reviewed by A.P. Efimov. Vest. sviazi 14 no.8:30 Ag '54. (MILIA 7:9)
(Novakovskii, S.V.) (Samoilov, G.P.) (Radio frequency modulation)

SAMOYLOV, G.P.

SAMOYLOV, G.P.; USHOMIRSKAYA, M.M., redaktor; LEDNEVA, N.V., tekhnicheskiy redaktor.

[Remote reception of television transmissions] Dal'niy priem televizionnykh peredach. Moskva, Gos.isd-vo lit-ry po voprosam sviazi i radio, 1956. 199 p.
(MLRA 10:6)
(Television--Receivers and reception)

SAMOYLOV, G. P.

KUBARKIN, Leontiy Vladimirovich; SAMOYLOV, G. P., otvetstvennyy redaktor;
GALOYAN, M.A., redaktor; BERESLAVSKAYA, L.Sh., tekhnicheskii
redaktor

[How to operate a television set] Kak pol'zovat'sia televizorom.
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1957. 70 p.

(MIRA 10:9)

(Television--Receivers and reception)

SAMOYLOV, G.P.; KURDOV, L.I., otvetstvennyy redaktor; POZDNYAKOV, L.P.,
otvetstvennyy redaktor; USHOMIRSKAYA, M.M., redaktor; LEDNEVA,
N.V., tekhnicheskiy redaktor

[Long-distance reception of television broadcasts] Dal'niy priem
televizionnykh peredach. Moskva, Gos.izd-vo lit-ry po voprosam
sviazi i radio, 1957. 199 p. (MLRA 10:7)
(Television--Receivers and reception)

107-57-1-37/60

AUTHOR: Samoylov, G. P.

TITLE: TV-Set Faults (Neispravnosti v televizore)

PERIODICAL: Radio, 1957, Nr 1, pp 34-36 (USSR)

ABSTRACT: A number of faults that manifest themselves as a change of sound in a TV set are examined. Certain faults are accompanied by a humming or a buzzing sound. The humming background is due to 50- or 100-cps sinusoidal voltage. Buzzing is due to square sync pulses, sawtooth voltage, vertical blanking pulses, or low-frequency video signals. Causes of humming, such as cathode-heater leakage in a tube, filter-capacitor leakage, or a spurious modulation are examined, and remedies are suggested. Causes of buzzing, such as cross-modulation, high-voltage fluctuations, and vertical-sweep oscillator strays, are described, and remedies are suggested. Crackling and hissing sounds that reveal high-voltage breakdowns are discussed, as well as transformer-core hum. Many simple techniques for troubleshooting and noise eliminating are suggested in the article for convenience of radio amateurs.

AVAILABLE: Library of Congress

Card 1/1

PHASE I BOOK EXPLOITATION

991

Samoylov, Georgiy Pavlovich

Razvertyvayushchiye ustroystva v televizorakh i ikh neispravnosti
(Scanning Devices in Television Receivers and Their Defects)
Moscow, Gosenergoizdat, 1958. 71 p. (Series: Massovaya radio-
biblioteka, vyp. 290) 50,000 copies printed.

Ed.: Sobolevskiy, A.G.; Tech. Ed.: Medvedev, L.Ya.; Editorial Board
of Series: Berg, A.I., Burlyand, V.A., Vaneyev, V.I., Genishta, Ye.N.,
Dzhigit, I.S., Kanayeva, A.M., Krenkel', E.T., Kulikovskiy, A.A.,
Smirnov, A.D., Tarasov, F.I., Chechik, P.O., Shamshur, V.I.

PURPOSE: This book is intended for television-amateurs and television-
mechanics.

COVERAGE: The author describes the basic operating principles of scan-
ning and synchronizing systems in TV-receivers. Examples of faults
occurring in these circuits are explained and their causes analyzed.
No personalities are mentioned. There are 4 Soviet references.

~~Card 1/3~~

SAMOYLOV, Georgiy Pavlovich; ISAYEV, A.N., otv.red.; VENGRENYUK, L.I.,
red.; SHEFER, G.T., tekhn.red.

[Repairing television sets; aid for owners of television
receivers] Ustranenie neispravnostei v televizorakh; v pomoshch'
vladel'tsam televizorov. Moskva, Gos.izd-vo lit-ry po voprosam
sviazi i radio, 1958. 157 p.
(Television--Repairing)

(MIRA 12:2)

SAMOYLOW, Georgiy Pavlovich; KANAYEVA, A.M., red.; BORUNOV, N.I.,
tekhn.red.

[Repair of television scanning devices] Remont razvertyvaiushchikh
ustroistv televizorov. Moskva, Gos.energ.izd-vo, 1960. 102 p.
(Massovaia radiobiblioteka, no.377) (MIRA 14:4)
(Television--Repairing)

SAMOYLOV, Georgiy Pavlovich; KANAYEVA, A.M., red.; TARASOV, F.I.,
red.; VORONIN, K.P., tekhn. red.

[Maintenance of a television receiver] Ukhod za televizorom.
Pod obshchey red. A.M.Kanaevoy. Moskva, Gos. energ. izd-vo,
1961. 37 p. (Massovaya radiobiblioteka, no.389) (MIRA 15:3)
(Television—Receivers and reception)

SAMOYLOV, G.P.; RYMANOV, Ye.A.

Mobile radio and television repair shop. Vest. sviazi 22
no.5:14-16 My '62. (MIRA 15:5)

1. Glavnyy inzhener Televizionnogo tresta Ministerstva svyazi
RSFSR (for Samoylov). 2. Nachal'nik Tekhnicheskogo otdela
Televizionnogo tresta Ministerstva svyazi RSFSR (for Rymanov).
(Radio—Repairing) (Television—Repairing)

SAMOYLOV, Georgiy Pavlovich; KUKAYEV, A.A., otv. red.; TSEYTLIN,
F.G., red.; TRISHINA, L.A., tekhn. red.

[Installation and operation of receiving television
antennas] Priemnye televizionnye antenny, ikh ustroistvo i
ekspluatatsiia. Moskva, Sviaz'izdat, 1963. 135 p. (Bib-
lioteka "Televizionnyi priem," no.8) (MIRA 16:10)
(Television—Antennas)

SOLOVEYCHIK, Arkadiy Iosifovich; SAMOYLOV, G.P., otv. red.;
FIFAYEVA, M.N., red.

[Handbook for television owners] Spravochnik telezritelja.
Moskva, Izd-vo "Sviaz", 1964. 62 p. (MIRA 17:6)

SAMOYLOV, G.P.; FURMAN, S.L.

Universal stand for testing kinescopes. Vest. sviazi 24 no.2:
8-10 F '64. (MIRA 17:4)

1. Glavnnyy inzh. Televizionnogo tresta Ministerstva svyazi
SSSR (for Samoylov). 2. Nachal'nik Tekhnicheskogo otdela
TSentral'nogo proizvodstvenno-eksperimental'nogo
televizionnogo predpriyatiya Televizionnogo tresta Ministerstva
svyazi SSSR (for Furman).

SAMOYLOV, G.P., otv. red.; FURMAN, S.L., otv. red.; FUFAYEVA,
M.N., red.

[Television receivers; a reference album] Televizionnye
priemniki; al'bom spravochnik. Moskva, Sviaz', 1964.
71 p. (Biblioteka "Televiyomiy priem," no.16)
(MIRA 18:4)

SAMOYLOV, G.P.; FURMAN, S.L.

Stand for checking standardized wound components. Vest. sviazi
24 no.8:7-9 Ag '64. (MIRA 17:10)

1. Glavnnyy inzh. televizionnogo tresta Ministerstva svyazi
SSSR (for Samoylov). 2. Nachal'nik tekhnicheskogo otdela
TSentral'nogo proizvodstvenno-eksperimental'nogo televizionnogo
predpriyatiya televizionnogo tresta (for Furman).

SAMOYLOV, Georgiy Pavlovich; SHEKHTMAN, A.M., otv. red.; NOSOVA,
M.N., red.

[Simple repair of television receivers; how to locate and
replace faulty tubes] Prosteishii remont televizorov; kak
nakhodit' i zameniat' neispravnye lampy. Izd.2., dop.
Moskva, Sviaz', 1965. 188 p. (Biblioteka "Televizionnyi
priem," no.18) (MIRA 18:6)

FADEYEVA, N.V.; SAMOYLOVA, G.S.

Likenesses and differences of landforms of the intermontane
steppe depressions of the Altai and Transbaikalia. Vest. Mosk.
univ. Ser. 5: Geog. 20 no. 4:41-50 Jl-Ag '65.

(MIRA 18:12)

1. Institut geografii AN SSSR i Kafedra fizicheskoy geografii
SSSR Moskovskogo gosudarstvennogo universiteta. Submitted
September 15, 1964.

L 5105-66 EWT(m)/EWP(w)/EWP(v)/T-2/EWP(k)/ETC(n) WW/EM

ACC NR: AP5025761.

SOURCE CODE: UR/0286/65/000/018/0128/0128

AUTHOR: Samoylov, G. S.

ORG: none

TITLE: A ship propeller shaft.²⁶ Class 65, No. 174955

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 128

TOPIC TAGS: shipbuilding engineering, ship component, propeller blade, shaft

ABSTRACT: This Author Certificate presents a ship propeller shaft intended for propellers with demountable blades. To utilize existing state-owned and surplus propeller blades and to increase the shaft diameter, the propeller-bearing end of the shaft is made in the form of a hub (see Fig. 1) which serves as a mounting

29

B

Card 1/2

UDC: 629.1.037.4

09010950

L 5105-66

ACC NR: AP5025761

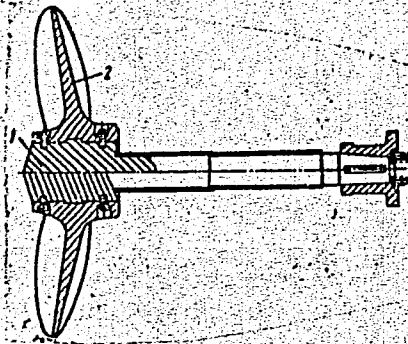


Fig. 1. 1- ship
propeller shaft;
2- propeller
blades

for propeller blades. Orig. art. has: 1 figure.

SUB CODE: PR/

SUBM DATE: 09Sep63/ ORIG REF: 000/ OTH REF: 000

Card 2/2 *Md*

ACC'NR: AP6021496

SOURCE CODE: UR/0413/66/000/011/0146/0146

INVENTORS: Samoylov, G. S.; Izrailov, P. G.

ORG: none

TITLE: A device for grinding and polishing a nonspherical surface. Class 67, No. 182549

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 146

TOPIC TAGS: grinding, metal polishing, grinding machine, abrasive

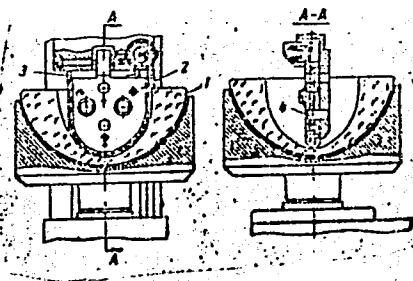
ABSTRACT: This Author Certificate presents a device for grinding and polishing a nonspherical surface. The abrasive material is fed into the clearance between the surface being worked on and a template on which a calibrated wire or a capron thread is stretched (see Fig. 1). The latter moves progressively along the template in the course of work. To regulate the process of working especially deep nonspherical surfaces of revolution, the template is nonsymmetrical and is provided with an axle perpendicular to its plane. The axle serves for adjusting and positioning movements.

Card 1/2

UDC: 621.923.1.02:621.924.57

ACC NR: AP6021496

Fig. 1. 1 - detail with a nonspherical surface;
2 - template; 3 - capron thread or a
wire; 4 - axle



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 17Jun64

Card 2/2

SAMOYLOV, G.S., dotsent (Kazan' 61, ul. Kosmonavtov, d.1, kv.44)

Alloplasty of the patella. Ortop., travm. i protez. 26 no.8:
20-23 Ag '65. (MIRA 18:9)

1. Iz kafedry ortopedii i travmatologii (zav.- prof. L.I. Shulutko) Kazanskogo instituta usovarshenstvovaniya vrachey na baze kazanskogo instituta travmatologii i ortopedii (dir.- starshiy nauchnyy sotrudnik U.Ya. Bogdanovich).

SAMOYLOV, G.S., dotsent; AKBIRDINA, D.L., mladshiy nauchnyy sotrudnik

Treating fractures of the patella. Ortop.travm. i protez. 17 no.6:
113-114 N-D '56. (MLRA 10:2)

1. Iz kafedry ortopedii i travmatologii Kazanskogo instituta dlya
usovershenstvovaniya vrachey i Kazanskogo nauchno izzledovatel'skogo
instituta vosstanovitel'noy khirurgii i ortopedii (direktor - zaslu-
zhennyy deyatel' nauki Tatarskoy SSR professor L.I.Shulutko)
(PATELLA--FRACTURE)

SAMOYLOV, G.S. (Kazan', 30, ul. Militseyskaia, d.17, kv.2)

Innervation of the leg bones; anatomical investigations.
Arkh.anat. glist. i embr. 33 no.1:63-66 Ja-Mr '56 (MIRA 12:1)

1. Iz kafedry ortopedii i travmatologii Kazanskogo instituta usovershenstvovaniya vrachey im. V.I. Lenina (zav. kafedroy - prof. L.I. Shulutko) i kafedry topograficheskoy anatomii i operativnoy khirurgii Kazanskogo gosudarstvennogo meditsinskogo instituta (dir. - dots. R.A. Vyaselev):

(TIBIA, innervation,
(Rus))

(FIBULA, innervation,
(Rus))

SAMOYLOV, G.S., dotsent

Intramedullary osteosynthesis with transposed autotransplant.
Ortop., travm. i protez. 20 no.5:50-51 My '59. (MIRA 12:9)

1. Iz kafedry ortopedii i travmatologii (zav. - zasluzh.deyatel'
nauki Tatarskoy ASSR prof.L.I.Shulutko) Kazanskogo instituta
usovershenstvovaniya vrachey.
(FRACTURES, surg.

osteosynthesis in long bone fract. using intra-
medullary transposed autotransplant (Rus))

SAMOYLOV, G. S., dotsent; RUMYANTSEVA, A. A., kand. med. nauk

Repair of tibial defects by Hahn's method. Ortop., travm. i protez.
no.1:32-37 '62. (MIRA 15:2)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. L. I. Shulutko) Kazanskogo Gosudarstvennogo instituta dlya usovershenstvovaniya vrachey im. S. M. Kirova na baze Kazanskogo instituta ortopedii i travmatologii (dir. - kand. med. nauk U. Ya. Bogdanovich).

(TIBIA—SURGERY)

SAMOYLOV, G.S., dotsent

Repair of a large defect of the tibia in a fresh open fracture.
Kaz.med.zhur. no.2:77-79 Mr-Ap'63 (MIRA 16:11)

1. Kafedra ortopedii i travmatologii (zav. - prof. L.I.Shulutko)
Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya
vrachey imeni Lenina.

SAMOYLOV, G.S., detsent (Kazan' 30, Militseyskaya ulitsa, d.37.kv.2);
RUMYANTSEVA, A.A., kand.med.nauk

Surgical treatment of habitual shoulder dislocation. Ortop., travm.
i protez. 24 no.10:47-51 O '63. (MIRA 17:5)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. L.I.Shulutko)
Kazanskogo instituta usovershenstvovaniya vrachey na baze
Kazanskogo instituta ortopedii i travmatologii (dir. - kand.med.nauk
U.Ya.Bogdanovich).

SAMOYLOV, G.S. (Kazan' 61, ul. Kosmonavtov, d.1, kv.44)

Treatment of the fractured patella by percutaneous fixation.
Ortop., travm. i protez. 25 no.6:59 Je '64.

(MIRA 18:3)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. L.I. Shulutko) Kazarskogo instituta usovershenstvovaniya vrachey na baze Instituta ortopedii i travmatologii (dir. - starshiy nauchnyy sotrudnik U.Ya. Bogdanovich).

SAMOYLOV, G.S., dotsent (Kizan, 30, Militseyskaya ul., d.37, kv.2)

Substitution of extensive defects of the humerus. Vest. khir
(MIRA 18:5)
92 no.6:98-101 Je '64.

1. Iz kafedry ortopedii i travmatologii (zav. prof. L.I. Shulutko)
Kazanskogo instituta usovershenstvovaniya vrachey na baze Nauchno-
issledovatel'skogo instituta ortopedii i travmatologii (dir. - kand.
med. nauk U.Ya. Bogdanovich).

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S/77/60/000/002/001/001
B023/B066

AUTHORS:

Samoylov, G. V. Colonel, Engineer, Peshkov, Ye. M., Colonel
of the Medical Service, Myazdrikov, V. A., Major, Engineer

TITLE:

Method of Remote Recording of Essential Physiological Func-
tions in Men by Means of Radiotelemetry

PERIODICAL:

Voyenno-meditsinskiy zhurnal, 1960, No. 2, pp. 70-72

TEXT: The authors describe a method devised by them in 1949 of recording physiological functions in men during flight by means of a radiotelemetric device. According to the authors, this method is still applied. It permits the recording of respiratory frequency, body temperature, oxygen pressure under the mask, pressure in the stress device of the pressurized suit, flight altitude, pressure in the cabin, overstrain etc. The respiratory movements of the chest are transmitted to a feeler which is fastened to the chest. The scheme of the feeler may be seen in Fig. 1. By means of the feeler the respiratory movements are transformed into voltage fluctuations of direct current. The voltage fluctuations of the

Card 1/4

88510

Method of Remote Recording of Essential Physiological Functions in Men by Means of Radio-telemetry S/177/60/000/002/001/001
B023/B066

feeler are received by a commutator and pass over to a converter which transforms them into sound frequency. This sound frequency is transferred by means of the radio transmitter from the airplane to the earth, transformed and recorded on photographic paper. The radiotelemetric device can operate with potentiometric and with carbon feeler. Tensiometers may be applied for this purpose as well. Fig. 2 shows the scheme of a simple device for recording physiological functions of the pilot. The authors fitted the transmitter of the radiotelemetric device in the airplane and in adequate position feelers to record the parameters mentioned above. The respiration feeler is applied under the suit with only a low tension in order to prevent a hampering of the pilot's movements. Fig. 3 shows curves of the respiratory movements. Also changes of the type of chest movements in dependence on the external pressure are recorded there. Fig. 4 presents curves which illustrate the chest movements in great altitudes and on sudden change of the surrounding atmospheric pressure. The examples given do not completely cover the entire range of applicability of the method discussed. According to the authors, it may be widely and successfully applied in the study of the working physiology of aircrews and in sport. There are 4 figures.

Submitted - JAN 1957

BELOTSERKOVSKIY, Grigoriy Bentsionovich; BABKIN, N.I., inzh.,
retsenzent; ZHDANOV, V.K., inzh., retsenzent; KALANTAROV,
M.N., inzh., retsenzent; TELEZHKO, M.I., inzh., retsenzent;
FAKTOROVICH, M.D., inzh., retsenzent; FEDOTOV, M.R., inzh.,
retsenzent; SAMOYLOV, G.V., inzh., red.; IVANOV-TSYGANOV,
A.I., kand. tekhn. nauk, red.; BOGOMLOVA, M.F., red. izd-va;
ROZHIN, V.P., tekhn. red.

[Antennas] Antenny. Izd.2., perer. i dop. Moskva, Oborongiz,
1962. 491 p. (MIRA 16:2)
(Antennas (Electronics))

SAMOYLOV, I. A.

42391: SAMOYLOV, I. A. Kombinirovannaya namotka na kol'tsepriya dil'nykh maskinakh. Nauch-
issled. Trudy (Tsentr. nauch-issled. in-t khlopchatobumazh prom-sti) vyp. 1, 1948 s
90-107.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

Vladimirov, Boris Mikhaylovich; Rybakov, Vladimir Mikhaylovich; Samoylov,
Ivan Alekseyevich; Belitsin, N.M., doktor tekhn.nauk, red.;
Paminskiy, A.P., inzh., retsenzent; Teryushnov, A.V., kand.tekhn.
nauk, retsenzent; Verbitskaya, Ye.M., red.; Medvedev, L.Ya.,
tekhn.red.

[Manual on cotton spinning] Spravochnik po khleopkoprriadeniyu.
Pod red. N.M.Belitsina. Izd.3., perer.i sokr. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po legkoi promyshl. 1958. 508 p.
(MIRA 12:3)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut
khleopchatobumazhnoy promyshlennosti.
(Cotton spinning)

GORITSKIY, V.S., inzh.; SAMOYLOV, I.A., inzh.; SUCHKOV, D.P., inzh.

Device for measuring the load volume on the pressing
rollers of spinning machines. Tekst.prom. 20 no.5:
28-30 My '60.
(Spinning machinery)

SAMOYLOV, I.A., kand.tekhn.nauk

Investigating the fields of friction in the drawing mechanisms.
Tekst.prom. 20 no.7:22-26 JI '60. (MIRA 13:7)
(Spinning machinery)

DERIBAS, Andrey Terent'yevich; FOTAPOV, Vladimir Pavlovich; BABAK,
L.G., inzh., retsenzent; SAMOYLOV, I.A., retsenzent;
CHUMAGIN, A.I., inzh., retsenzent; GORDON, M.D., kand. tekhn.
nauk, prepodavatel', retsenzent; DZHUMABAEV, S.M., inzh.,
prepodavatel', retsenzent; MATALASOV, S.F., kand. tekhn. nauk,
red.; MAKUNI, Ye.V., tekhn. red.

[Organization of freight and commercial operations]Organiza-
tsiya gruzovoi i kommercheskoi raboty. Izd.2., perer. i dop.
Moskva, Transzheldorizdat, 1961. 253 p. (MIRA 15:10)

1. Kafedra "Organizatsiya gruzovoy i kommercheskoy raboty"
Tashkentskogo instituta inzhenerov zheleznodorozhного trans-
porta (for Gordon, Dzhumabayev).
(Railroads—Management) (Railroads—Freight)

SAMOYLOV, I.A. inzh. (Tashkent)

Automatic and remote control of the Kuygan-Yar hydraulic
installation. Gidr. i mel. 14 no.10:16-22 0 '62.
(MIRA 15:11)

(Kuygan-Yar-Dams) (Automatic control)
(Remote control)

SAMOYLOV, I.A., inzh. (Tashkent)

Telemetering the discharge of water of irrigation canals.
(MIRA 17:2)
Gidr. i mel. 15 no.12:24-29 D.'63.

SAMOYLOV, I.A., inzh.

Control of the electric drives of large hydraulic structures. Elek. sta.
(MIRA 17:2)
34 no.11:94-95 N '63.

GAMERSHTEYN, V.A., inzh.; LITVINENKO, V.G., inzh.; Prinimali uchastiye:
FILONOV, V.A., inzh.; KSENDZUK, F.A., inzh.; SAMOYLOV, I.D.,
inzh.; VERBITSKIY, A.I., inzh.; YASHNIKOV, D.I., inzh.;
LEYCHENKO, M.A., kand. tekhn. nauk; CHAMIN, I.K., tekhnik;
TOKAR', P.K., inzh.; ZAYTSEV, P.P., inzh.

Mastering the production of cold-rolled sheets. Mat. i gornorud.
(MIRA 17:8)
prom. no. 6:72-74 N-D '62.

1. Zavod "Zaporozhstal'" (for Gamershteyn, Litvinenko, Filonov,
Ksendzuk, Samoylov, Verbitskiy, Yashnikov). 2. Tsentral'nyy
nauchno-issledovatel'skiy institut chernoy metallurgii im.
Bardina (for Leychenko, Chamin, Tokar', Zaytsev).

TOKAR', I.K.; CHAMIN, I.A.; Prinimali uchastiye: BOYKO, M.V.; CHUB, G.F;
GAMERSHTEYN, V.A.; YASHNIKOV, D.I.; FILONOV, V.A.; TROSHCHENKO,
N.A.; SAMOYLOV, I.D.; ZAYTSEV, V.V.; KOLOMATSKIY, V.D.

Efficient lubrication for the rolling of thin sheet iron.
(MIRA 14:8)
Metallurg 6 no.8:22-24 Ag '61.

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii (for Tokar', Chamin, Zaytsev, Kolomatskiy). 2.
Zavod "Zaporozhstal'" (for Boyko, Chub, Gamershteyn, Yashnikov,
Filonov, Troshchenko, Samoylov).
(Metalworking lubricants) (Sheet iron)

YASHNIKOV, D.I., inzh.; TILIK, V.T., inzh.; TROSHCHENKOV, N.A., inzh.;
Prinimali uchastiye: SAMOYLOV, I.D., inzh.; VERBITSKIY, A.I.,
inzh.; KRASNIKOV, A.S., inzh.; BURELO, V.G., inzh.; KSENZUK,
F.A., inzh.; MIRKINA, R.Ye., inzh.; GOL'DSHEIN, F., inzh.;
BOZHKO, S.A., inzh.

Reducing the consumption of tin in improving the microgeometry
of sheet iron surfaces. Stal' 21 no.9:862-864 S '61. (MIRA 14:9)

1. Zavod "Zaporozhstal".
(Tinning) (Surfaces (Technology))

STARUN, V.R.; DUDAVSKIY, I.Ye.; DAVYDOV, I.P.; KOLESNIK, M.I.;
RYAZANTSEV, V.D.; SAMOYLOV, I.G.; DOKUCHAYEVA, I.N.

Dressing chrome iron ores from the Kimpersaiski deposits by
magnetic separation. Ogneuproy 25 no. 3:108-114 '60.
(13:10)

1. Zaporozhskiy ogneupornyy zavod (for Starun, Dudavskiy, Davyдов,
Kolesnik, Ryazantsev). 2. Institut "Mekhanobrchermet" (for Samoy-
lov, Dokuchayeva).
(Ore dressing) (Magnetic separation of ores)

MYACH, T.T., inzh.; SAMOYLOV, I.G., inzh.

Study of the chemical treatment of manganese middlings.
Gor. zhur. no.10:56-58 O '63. (MIRA 16:11)

1. Mekhanobrchermet, Krivoy Rog.

SEMOKHIN, I.I.

Agriculture

Use of films for courses in geography. Moskva, Akademiya pedagogicheskikh nauk RSFSR, 1951.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, NOVEMBER 1952. UNCLASSIFIED.

SAMOYLOV, I. [I.]

Atlases

Geographical atlas of the USSR for the seventh and eighth grade of secondary schools.
Geog. v shkole No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, June ¹⁹⁵² Uncl.

SAMOYLOV, I.I., redaktor; FIALKINA, G.A.redaktor; MUKHINA, T.N.,
~~tekhnicheskiy~~ redaktor.

[Problems of applied science in teaching geography] Voprosy
politekhnicheskogo obucheniia v prepodavanii geografii; sbornik
statei. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1954. 168 p.
(Geography--Study and teaching) (MLRA 7:12)

14-57-6-11633

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
p 6 (USSR)

AUTHOR: Samoylov, I. I.

TITLE: Visual Aids in Teaching Geography (Naglyadnost' v
propodavanii geografii)

PERIODICAL: V sb: Naglyadnost' v prepodavanii geogr., Moscow,
Akad. ped. nauk, RSFSR, 1955, pp 3-35

ABSTRACT: The author expounds the principles underlying the use
of visual aids, and shows how to use the following for
factual observation: reading and recitation with the
help of pictures, maps, wall pictures, distributive
illustrations and textbook illustrations, slides and
film strips, motion pictures, relief maps, collections,
globe and atlas, drawings of objects, and blackboard
sketches. He suggests ways in which visual aids may
be more intelligently used to make the students

understand their lessons. He shows how visual aids can be inter-
woven with the spoken instructions and recitations.

SAMOYIOV, I.I.

Laboratory work in geography. Geog. v shkole 18 no.2:6-10 Mr- Ap'55.
(Geography--Study and teaching) (MIRA 8:7)

SAMOYLOV, I.I.

New geography programs. Vop.geog. no.37:70-80 '55. (MIRA 8:12)
(Geography--Study and teaching) (Kolosovskii, Nikolai Nikolaevich,
1891-1954)

SAMOVLOV, I.I.

Trial textbooks of "The geography of the world." A.G. Artem'ev
and others. Reviewed by I.I. Samoilov. Geog.v shkole 19 no.1:
77-79 Ja-F '56. (MLRA 9:5)
(Geography--Textbooks) (Artem'ev, A.G.)

SAMOYLOV, I.I.

Study of industrial communications in an economic geography course.
Geog. v shkole 19 no.3:29-33 My-Je '56. (MIRA 9:9)
(Russia--Industries) (Communication and traffic)

S A Moylov, I. I.

MEKLER, M.M., otvetstvennyy red.; BASHLAVINA, G.N., red.; VORONINA, A.N., red.;
GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.; KOZLOV, F.M., red.;
LARIN, D.A., red.; RAUSH, V.A., red.; SAMOYLOV, I.I., red.;
SLAIKOVAYA, Ye.A., red.; STROLEV, K.F., red.; SHCHASTNEV, P.N., red.;
TUTOCHKINA, V.A., red.; SHUROV, S.I., predsedatel', red.; ERDZELI,
V.G.

[Geographical atlas for the fifth grade] Geograficheskii atlas dlja
5-go klassa. Moskva [1957] 16 p. (MIRA 11:7)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii.

(Maps)

SAMOYLOV, I. I.; SAYDAKOVA, Ye. I., red.; TARASOVA, V. V., tekhn.red.

[Geography teachers on their work] Uchitelia geografii o svoei
rabote. Moskva. Pt. 3. 1957. 172 p. (MIRA 11:2)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut
metodov obucheniya.
(Geography--Study and teaching)

SAMOYLOV, I.I.

Session of the Academy of Pedagogical Sciences of the R.S.F.S.R. in
Krasnoyarsk. Geog. v shkole 20 no.3:72 My-Je '57. (MLRA 10:6)
(Geography--Study and teaching)

SAFRONOVA, V.A., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I.,
red.; KOZLOV, F.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.P., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELL', V.G., red.;
DYUZHEVA, A.M., red.kart; POLYANSKAYA, L.A., red.kart

[Geographic atlas of the U.S.S.R. for the seventh grade] Geogra-
ficheskii atlas SSSR dlia 7-go klassa. Moskva, 1958. (MIRA 12:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i karto-
grafii. 2. Nauchno-redaktsionnaya kartosostavitel'skaya chast'
Glavnogo upravleniya geodezii i kartografii Ministerstva vnutrennikh
del SSSR (for all except Dyuzheva, Polyanskaya).
(Atlases)

DRIATSKAYA, E.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.N.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, F.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLAIKOVA, Ye.A., red.; STROLEV, K.P., red.;
SCHASTNIEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELI, V.G., red.

[Geography atlas for the sixth grade] Geograficheskii atlas dlja
6-go klassa. Moskva, 1958. 32 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnaya upravleniya geodezii i
kartografii. 2. Nauchno-redaktsionnaya kartosostavitel'skaya
chast' Tsentral'nogo nauchno-issledovatel'skogo instituta
geodezii, aeros"yemki i kartografii.
(Maps)

BIBIK, A.Ye.; SAMOYLOV, I.I.

Improve methods and forms of teaching geography. Geog.v
shkole 22 no.5:1-7 S-0 '59. (MIRA 13:2)
(Geography--Study and teaching)

SENDEROVA, G.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I..
red.; KOZLOV, P.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SENDEROVA, G.M., red.; SLADKOVA, Ye.A.,
red.; STROYEV, K.F., red.; SCHASTNEV, P.N., red.; TUTOCHKINA,
V.A., red.; ERDELLI, V.G., red.

[Geographical atlas for the fourth grade] Geograficheskii atlas
dlia 4-go klassa. Moskva, Glav.uprav.geodez. i kartografii M-va
geol. i okhrany nedor SSSR, 1960. 16 p. (MIRA 13:8)
(Atlases)

MEELER, M.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, F.M., red.; LARIN, D.A., red.; LYALIKOV, N.I., red.;
MAMAYEV, I.I., red.; NIKISHOV, M.I., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLAIKOVA, Ye.A., red.; STROIEV, K.F., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELI, V.G., red.;
BUSHUYEVA, M.P., red.kart; DYUZHISVA, A.M., red.kart; KROTkov, B.S.,
red.kart; MESYATSEVA, L.N., red.kart; PEKHOVA, Z.P., red.kart;
POLYANSKIYA, L.A., red.kart; SAFRONOVA, V.A., red.kart; FEDOTOVA,
N.I., red.kart; PETISOVA, N.P., red.kart; CHERNYSHEVA, L.N., red.kart;
BUKHANOVA, N.I., tekhn.red.; KUZNETSOVA, O.L., tekhn.red.; NIKOLAYEVA,
I.N., tekhn.red.

[Atlas of the U.S.S.R. for the secondary school; course in economic geography] Atlas SSSR dlia srednei shkoly: kurs ekonomicheskoi geografii.
Moskva, Glav.uprav.geodez. i kartografii M-va geol.i okhrany nedr SSSR,
1960. 50 p. (Geography, Economic--Maps)

SAMOYLOV, Innokentiy Ivanovich; BIBIK, A.Ye., red.; PROZOROV, L.D.,
red.; TARASOVA, V.V., tekhn.red.

[Methodology of teaching the economic geography of the U.S.S.R.]
Metodika obucheniia ekonomicheskoi geografii SSSR. Moskva, Izd-vo
Akad.pedagog.nauk RSFSR, 1960. 397 p.

(MIRA 13:12)

(Geography, Economic--Study and teaching)

SAMOYLOV, I.I.

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(Geography, Economic—Study and teaching)

SOV/120-59-1-4/50

AUTHOR: Samoylov, I. M.

TITLE: Electron-Optical Electrode Systems for Electron Accelerator Injectors (Elektronno-opticheskiye sistemy elektrosov dlya inzhektorov elektronnykh uskoriteley)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 1, pp 24-27
(USSR)

ABSTRACT: Kerst injectors are used in the majority of electron accelerators but they suffer from the disadvantage that they do not have well reproducible electron optical parameters and do not ensure, as a rule, the production of very well collimated beams (the divergence is often 10° or more) (Ref.1). In order to exploit electron accelerators more efficiently and also to widen the range of experiments it is necessary to have injectors with stable electron optical characteristics so that well focussed electron beams can be obtained. According to the literature, this problem has so far received insufficient attention. This gap is partly filled by the work described in the present paper. Various systems of electrodes were investigated. One of them is shown in Fig.1.

Card 1/3

SOV/120-59-1-4/50

Electron-Optical Electrode Systems for Electron Accelerator Injectors

Experiments were carried out with an anode voltage of 80 kv, a cathode emission of 10 amp/cm² and a vacuum of 10⁻²-10⁻⁶ mm Hg. The electron-optical characteristics were determined by measuring the distances between pairs of electrodes directly during the experiment. The electron distribution in the beam was measured by means of a differential collector which measured the current in a narrow beam separated out of the total beam. The electron optical properties of the electrode systems which were considered, depend mainly on the parameters of the focussing lens which consists of the cathode-control electrode system. The parameters of this lens must be such so as to compensate for the initial angular divergence of the electrons at the cathode. If these parameters are not suitably chosen lack of focussing or over-focussing may appear. Fig.2 shows the distribution of electrons in the system shown in Fig.1 for various values of the relative dimensions of the system. The upper curve corresponds to a spiral cathode and the lower one to a ribbon cathode. Results of the experiments have led to optimal values for the electrode system dimensions and these are

Card 2/3

SOV/120-59-1-4/50

Electron-Optical Electrode Systems for Electron Accelerator Injectors

listed in the table on p 26. A. A. Naumov is thanked for valuable advice. There are 5 figures, 1 table and 3 references; 2 of the references are Soviet and 1 is English.

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Card 3/3

-21 (9)

AUTHOR:

Samoylov, I. M.

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TITLE:

On the Capture Mechanism in Betatrons

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Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,
Vol 37, Nr 3 (9), pp 705-712 (USSR)

ABSTRACT:

A number of authors already occupied themselves with the problem of explaining the electron capture in betatrons (Refs 1-12), in which case, above all, the capturing mechanism based upon Coulomb interaction was taken into account. In general, the space charge prevailing in the chamber is taken into account when investigating the injection. This is the case also in the present paper, in which electron motion is theoretically investigated in a betatron in consideration of the Coulomb repulsion of the particles in the beam injected into the chamber during a revolution of the electrons. It was shown that the effective electron capture is due to variation of the conditions of the radial oscillations caused by repulsion of the particles in the beam, and that also part of the electrons are lost as a result of a collision of the beam with the injector or the chamber walls. First, the influence of the collisions of electrons in the beam is investigated and some formulas are

Card 1/2

On the Capture Mechanism in Betatrons

SOV/56-37-3-19/62

derived for the trajectories. In the second part of the paper the capture mechanism is investigated, and, proceeding from the amplitude equation for the capturing angles of two ranges ($a \approx a_0 + \Delta/2$ and $a \approx a_0 - \Delta/2$) formula (2.4) is derived.

(a is a parameter the dependence of which on the moment of the injection is given in (1.11), and for which $a = A_c/c$ holds,

where A_c is the amplitude and c is defined by (2.3a), Δ is the thickness of the injector blade (nozh)). By using (2.4) the critical value of the injection currents is estimated and compared with experimental values. On the synchrotron of the FIAN this value was determined as amounting to ≈ 3 ma at 30 Mev. The calculation results for $U = 10$ kv in 3.5 ma and for 5 kv 3.5 - 2 me. Finally, the results obtained are summarized and discussed. A. A. Sokolov is thanked for his valuable discussions. There are 2 figures and 12 references, 6 of which are Soviet.

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Card 2/2

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AUTHOR: Samoylov, I.M.

TITLE: An Injector for Electron Accelerators /9

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No 2,
pp 21 - 23 (USSR)

ABSTRACT: An injector for betatrons and synchrotrons is described. The absence of a clear theory of electron capture in betatrons means that it is impossible to predict the requirements which must be satisfied by injectors. It is therefore necessary to study the problem experimentally. The injector described here employs a ribbon cathode and an insulated control electrode. A sectional drawing of the injector is shown in Figure 1, in which 1 is the control electrode made from 0.3 mm Ta sheet, 2 is the anode also of tantalum or stainless-steel sheet, 0.2-0.25 mm thick, 3 are molybdenum leads, 1.4-1.5 mm² in diameter, 5 are molybdenum glass tubes (28 x 25 mm² and 16 x 13 mm²), 19 are stainless-steel anode holders and 20 are porcelain tubes (2.3 x 1.0 mm² and 9 mm long).

Card1/2

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